

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Rule 53(b) Divisional of: )  
 )  
*U.S. Patent Appl. S.N. 09/023,430 (01/13/98)* ) Examiner J. Henry  
 )  
 Applicant: Christoph HECKENKAMP *et al.* ) Group Art Unit 2872  
 )  
 Filed: Concurrently Herewith )

For: DATA CARRIER HAVING AN OPTICALLY VARIABLE ELEMENT AND METHODS FOR PRODUCING IT

PRELIMINARY AMENDMENT BEFORE EXAMINATION

Honorable Assistant Commissioner for Patents  
 Washington, D.C. 20231

Sir:

Before examination of the continuation application filed concurrently herewith under 37 CFR 1.53(b), kindly amend the application in accordance with the following particulars:

IN THE SPECIFICATION:

Please amend the specification as follows:

Please amend the following paragraphs, as indicated by the clean copies of the amended paragraphs in Appendix A, and the marked-up copies of the amended paragraphs in Appendix B, attached hereto:

- Page 1, lines 4-8
- Page 8, lines 10-24
- Page 29, line 20 to Page 30, line 4

Please make the following additional changes to the specification:

- Page 1, between lines 8 and 9, insert the heading:

**-BACKGROUND OF THE INVENTION**

1. Field of the Invention--.

- Page 1, between lines 14 and 15, insert the heading:  
**-2. Discussion of Related Technology-**
- Delete the paragraph in page 8, lines 7-9.
- Page 8, between lines 9 and 10, insert the centered heading:  
**--SUMMARY OF THE INVENTION--**
- Page 10, between lines 12 and 13, insert the centered heading:  
**-BRIEF DESCRIPTION OF THE DRAWINGS-**
- Page 11, before line 1, insert the centered heading:  
**-DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS-**

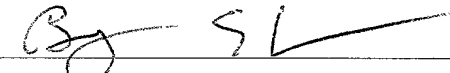
#### REMARKS

This preliminary amendment adds a reference to the parent application and section headings to the specification. In addition, page 8, line 24 has been amended to correct an idiomatic error, and the paragraph bridging pages 29 and 30 have been amended in exactly the same manner as the corresponding paragraph in the allowed parent application.

Respectfully submitted,  
BACON & THOMAS, PLLC

Date: October 17, 2001

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**APPENDIX A**  
**(Clean Copy Of Amended Paragraphs)**

Page 1, lines 4-8:

This is a continuation application of copending U.S. patent application Ser. No. 09/023,430, filed February 13, 1998, now allowed, which application is a divisional application of U.S. patent application Ser. No. 08/300,728, filed September 2, 1994, now U.S. Patent No. 5,801,857, issued September 1, 1998, which application is a continuation of U.S. patent application Serial No. 08/012,979, filed February 1, 1993, now abandoned, which application is a continuation application of U.S. patent application Serial No. 07/590,351, filed September 28, 1990, now abandoned.

Page 8, lines 10-24:

The essence of the invention is that the production of holograms or hologram cards and the like, which always consists of several individual steps, is interrupted in a suitable phase in which the products are modified or personalized by selective individualizing measures without any substantial restriction or obstruction of the series production. Depending on the production step in which the modification is performed, very different hologram embodiments are obtainable in the final product (the hologram card) despite the use of like hologram masters. The spectrum of individualization extends from a subset of like holograms that differ in appearance from the standard hologram, which is of interest for small lots, to a complete personalization by which the standard holograms are refashioned into genuine individual cards.

Page 29, line 20 to page 30, line 4:

Similarly, one can obtain hologram writing that is readable only in the infrared range if metal layer 24 is designed as an IR-permeable layer. It is covered, for example, by a protective lacquer 25 that appear opaquely black in the visible spectral range and is transparent or partly permeable in the IR range. Printed pattern 27 consists in this case of an IR-reflective color and is located, as described above, between layer of protective lacquer 25 and adhesive layer 26. On the subsequent card the holographic image is clearly recognizable visually against the partly

*Continuation of S.N. 09/023,430*

metalized apparently black background. At the same time, IR printed pattern 50 shown by the broken lines in Fig. 12 is readable using suitable sensors.

Continuation of S.N. 09/023,430

**APPENDIX B**  
**(Marked-Up Copy Of Amended Paragraphs)**

Page 1, lines 4-8:

This is a continuation application of copending U.S. patent application Ser. No. 09/023,430, filed February 13, 1998, now allowed, which application is a divisional application of U.S. patent application Ser. No. 08/300,728, filed September 2, 1994, now U.S. Patent No. 5,801,857, issued September 1, 1998, which application is a continuation of U.S. patent application Serial No. 08/012,979, filed February 1, 1993, now [ ] abandoned, which application is a continuation application of U.S. patent application Serial No. 07/590,351, filed September 28, 1990, now abandoned.

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Page 29, line 20 to page 30, line 4:

Similarly, one can obtain hologram writing that is readable only in the infrared range if metal layer 24 is designed as an IR-permeable layer. It is covered, for example, by a protective lacquer 25 that appear opaquely black in the visible spectral range and is transparent [and] or partly permeable in the IR range. Printed pattern 27 consists in this case of an IR-reflective color and is located, as described above, between layer of protective lacquer 25 and adhesive layer 26. On the subsequent card the holographic image is clearly recognizable visually against the partly

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metalized apparently black background. At the same time, IR printed pattern 50 shown by the broken lines in Fig. 12 is readable using suitable sensors.

FIG. 12